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- (71) Applicant (for all designated States except US): THE DI-RECTV GROUP, INC. [US/US]; 2250 E. Imperial Highway, El Segundo, CA 90245 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CHEN, Ernest, C.

[US/US]; 1025 Via Cordova, San Pedro, CA 90732 (US). MAITRA, Shamik [US/US]; 1911 Camino de la Costa, #413, Redondo Beach, CA 90277 (US).

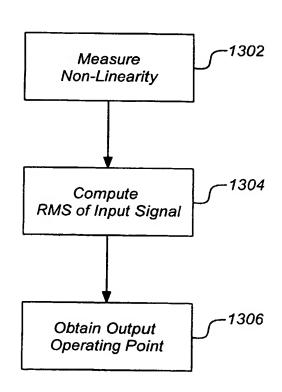
- (74) Agent: CROOK, John, A.; The DirectTV Group, Inc., RE/R11/A109, P.O. Box 956, El Segundo, CA 90245 (US).
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(54) Title: ESTIMATING THE OPERATING POINT ON A NONLINEAR TRAVELING WAVE TUBE AMPLIFIER



(57) Abstract: A method, apparatus, article of manufacture, and a memory structure provide the ability to determine an input operating point and an output operating point on a non-linear traveling wave tube amplifier (TWTA). The non-linearity of the TWTA is measured (1302). An input roots mean-square (RMS) value of an input signal used to measure the non-linearity of the TWTA is computed (1304). The RMS value identifies an input operating point of the measured non-linearity of the TWTA. Lastly, an output operating point is obtained (1306).



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C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category * Citation of document, with indication, where		m No.	
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Y US 6,177,836 B1 (YOUNG et al.) 23 January 200	US 6,177,836 B1 (YOUNG et al.) 23 January 2001 (23.06.2001), fig. 2.		
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